

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 80-7

WASTE DISCHARGE REQUIREMENTS FOR:

AMLOC COMPANIES, INCORPORATED AND  
CYPRESS ABBEY COMPANY  
HILLSIDE CLASS II-2 SOLID WASTE DISPOSAL SITE  
COLMA, SAN MATEO COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. The Board previously adopted Waste Discharge Requirements as Order No. 77-135 for Amloc Companies, Inc. Solid Waste Disposal Site, Colma, for the disposal of limited Group 2 waste and Group 3 (inert) wastes. The 40 acre site is owned by Cypress Abbey Company and operated by Amloc Companies, Inc., hereinafter jointly called the discharger.
2. In November 1979 the discharger submitted an updated Solid Waste Management Plan which included a final site closure plan in accordance with Resolution No. 77-7. The closure plan addresses such items as final cover, site drainage and monitoring facilities, leachate movement control and methane gas movement control. Closure of the site is tentatively set for 2000. In the past, closed portions of the site have been used as additions to the Cypress Hills Golf Course. The ultimate use of the current disposal area has not been determined.
3. The discharger proposes to operate, maintain and improve the existing site for disposal of limited categories of group 2 wastes such as paper, cardboard, cloth, glass, street refuse, yard clippings, and group 3 wastes. The site is located in the City of Colma, surrounded by the Cypress Hills Golf Course to the southwest, a mobile home park to the northwest, and undeveloped lands of the Crocker Land Company to the north and east as shown in Attachment A which is incorporated herein and made part of this Order. The discharger has completed filling operations in Areas A, B and I and is currently working in Area II as shown on Attachment B. Areas III and IV are future disposal areas.
4. The disposal site covers approximately 40 acres of land and is about 400 feet above sea level in the Merced Valley. The site lies along the southwest side of San Bruno Mountain. The bedrock, which underlie the area, consists of sandstones and shales, commonly known as the Franciscan Formation. The subsurface conditions encountered at the site consist of unconsolidated sands and minor amounts of clay and silt, commonly known as the Colma and Merced Formations. The Colma Formation overlies the Merced Formation and extends from the ground surface to depths of approximately 200 feet. The active San Andreas fault lies about two and one-half miles southwest of the disposal site. Two inactive faults, the San Bruno and Hillside faults, as well as other minor faults are in the proximity of the landfill sites.

5. Ground water occurring in the vicinity of the landfill is derived from sources including: percolation of surface runoff, irrigation water, direct penetration of rainfall and limited subsurface flow from adjacent areas. The useable ground water aquifer is approximately three hundred feet from the surface.
6. The beneficial uses of ground waters in the vicinity of the landfill are:  
  
    Landscape irrigation  
    Domestic use.
7. Subsequent to the modifications necessary to comply with this Order, this disposal site will meet the criteria contained in the California Administrative Code, Title 23, Chapter 3, Subchapter 15 for classification of a portion of the site as a Class II-2 disposal site to receive limited Group 2 waste and Group 3 wastes.
8. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin in April 1975 and this Order implements the water quality objectives stated in that plan.
9. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
10. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.
11. This Order authorizes the continued operation of a privately owned Class II-2 solid waste disposal site. Such activity constitutes only minor modification to land and is thereby exempt from the provisions of the California Environmental Quality Act in accordance with Section 15104, Chapter 3, Title 14, California Administrative Code.

IT IS HEREBY ORDERED, that Cypress Abbey Company and Amloc Companies, Inc. - Hillside Class II-2 Solid Waste Disposal Site and any other persons that shall own the land or operate this landfill shall comply with the following:

A. Waste Disposal Specifications

1. The disposal of wastes shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. Limited group 2 wastes shall not be placed in or allowed to contact ponded water from any source whatsoever.
3. Group 1 wastes and hazardous wastes shall not be deposited or stored at this site.

4. The following group 2 wastes shall not be deposited at this site:
  - a. Garbage from handling, preparation, processing, or serving of food or food products.
  - b. Pesticide containers.
  - c. Manure
  - d. Dead animals and portions thereof
  - e. Liquid Group 2 wastes.
5. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.

B. Leachate and Drainage Specifications

1. Leachate from Group 2 wastes and ponded water containing leachate or in contact with refuse shall not be discharged to waters of the State.
2. Water used during disposal site operation shall be limited to a minimal amount reasonably necessary for dust control and fire suppression.
3. The disposal area shall be protected from any washout or erosion of wastes or covering material, and from inundation, which could occur as a result of the 100 year storm.
4. Vertical and lateral hydraulic continuity with ground waters shall be prevented by the presence of a soil barrier above the ground water at least five feet in thickness with the top eighteen inches of soil to be compacted to ninety percent compaction or attain a permeability of  $1 \times 10^{-6}$  cm/sec or less.
5. Surface drainage from tributary areas, and internal site drainage from surface or subsurface sources shall not contact or percolate through group 2 wastes during disposal operation and for the active life of the site. The perimeter drainage ditches and all other facilities shall be designed to convey the 100 year storm runoff, and withstand differential settlement. These facilities shall be constructed over a natural ground or through lined channel or pipes.
6. As portions of the site are closed, the exterior surfaces shall be graded to a minimum slope of three percent in order to promote lateral runoff of precipitation and to minimize infiltration of precipitation, in addition, all completed disposal areas shall be covered with a minimum of three feet of uncontaminated material, one foot of which is compacted to attain a permeability no greater than  $10^{-6}$  cm/sec.

7. The migration of methane gas from the landfill area shall be controlled as necessary to prevent the creation of a nuisance.
8. The useable ground water shall not be degraded as a result of the solid waste disposal operation.

C. Site Closure Specifications

1. This site shall continue to be operated and its closure completed in compliance with this Board's Resolution No. 77-7 and in accordance with the report, Final Closure Plan and Solid Waste Management Plan for Amloc Companies, Inc., Hillside Solid Waste Disposal Site, Colma, San Mateo County, California, dated November 1979. This plan includes specifications for cell construction and compaction, surface water drainage, gravity drainage of collected ground waters, leachate containment and fill cover.

D. Provisions

1. The discharger shall comply with Specifications B.6 and C.1 as they relate to Areas A, B and I by July 1, 1980.
2. The discharger shall comply with all specifications and provisions of this Order immediately upon its adoption except as provided for in Provision D.1.
3. To assure compliance with Specification C.1, the discharger shall submit a report semi-annually describing the status of the site towards final closure. These reports shall be submitted by January 30th and July 30th of every year.
4. The use of Areas III and IV as shown on Attachment B shall not commence without written approval of the Executive Officer. This approval shall be based on a demonstration that the area complies with all applicable specifications of this Order. The discharger shall request approval at least 90 days prior to his anticipated date for use of the area.
5. Within 30 days after the completion of filling of any portions of the disposal areas, submit documentations signed by a registered civil engineer or a certified engineering geologist that the exterior surfaces of these newly completed portions are covered and graded as described under item B.6 and C.1.
6. The discharger shall file with this Board a report of any material change or proposed change in the character, location or quantity of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries, contours or ownership of the disposal area(s).
7. The discharger shall maintain a copy of this Order at the site so as to be available at all times to site operating personnel.

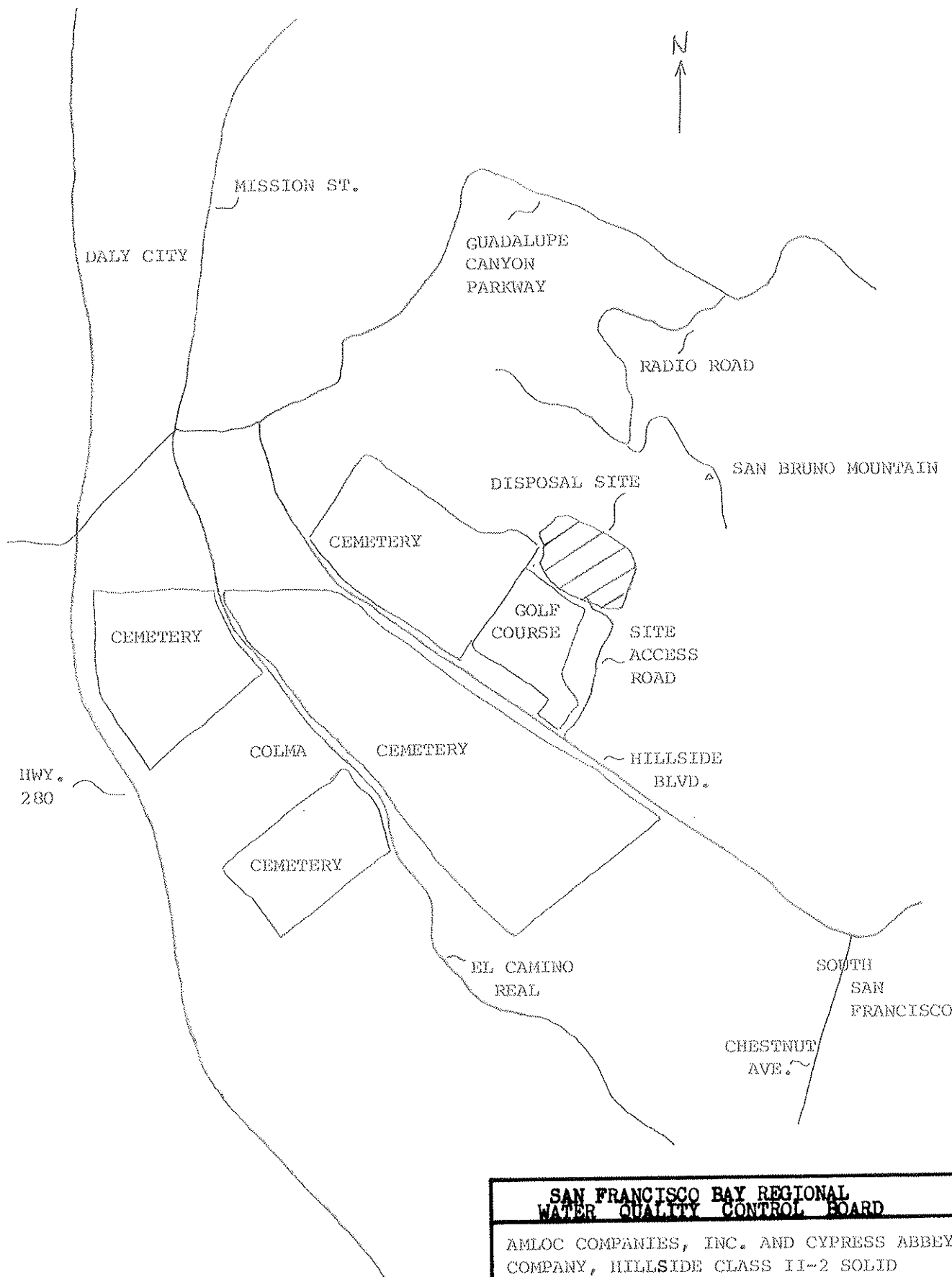
8. This Board considers the property owner and site operator to have a continuing responsibility for correcting any problems which may arise in the future as a result of this waste discharge or water applied to this property during subsequent use of the land for other purposes.
9. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program which may be directed by the Executive Officer.
10. Order No. 77-135 is rescinded.
11. The discharger shall permit the Regional Board:
  - (a) Entry upon premises on which waste are located or in which any required records are kept,
  - (b) Access to copy any records required to be kept under terms and conditions of this Order,
  - (c) Inspection of monitoring equipment or records, and
  - (d) Sampling of any discharge.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on February 19, 1980.

FRED H. DIERKER  
Executive Officer

Attachments:

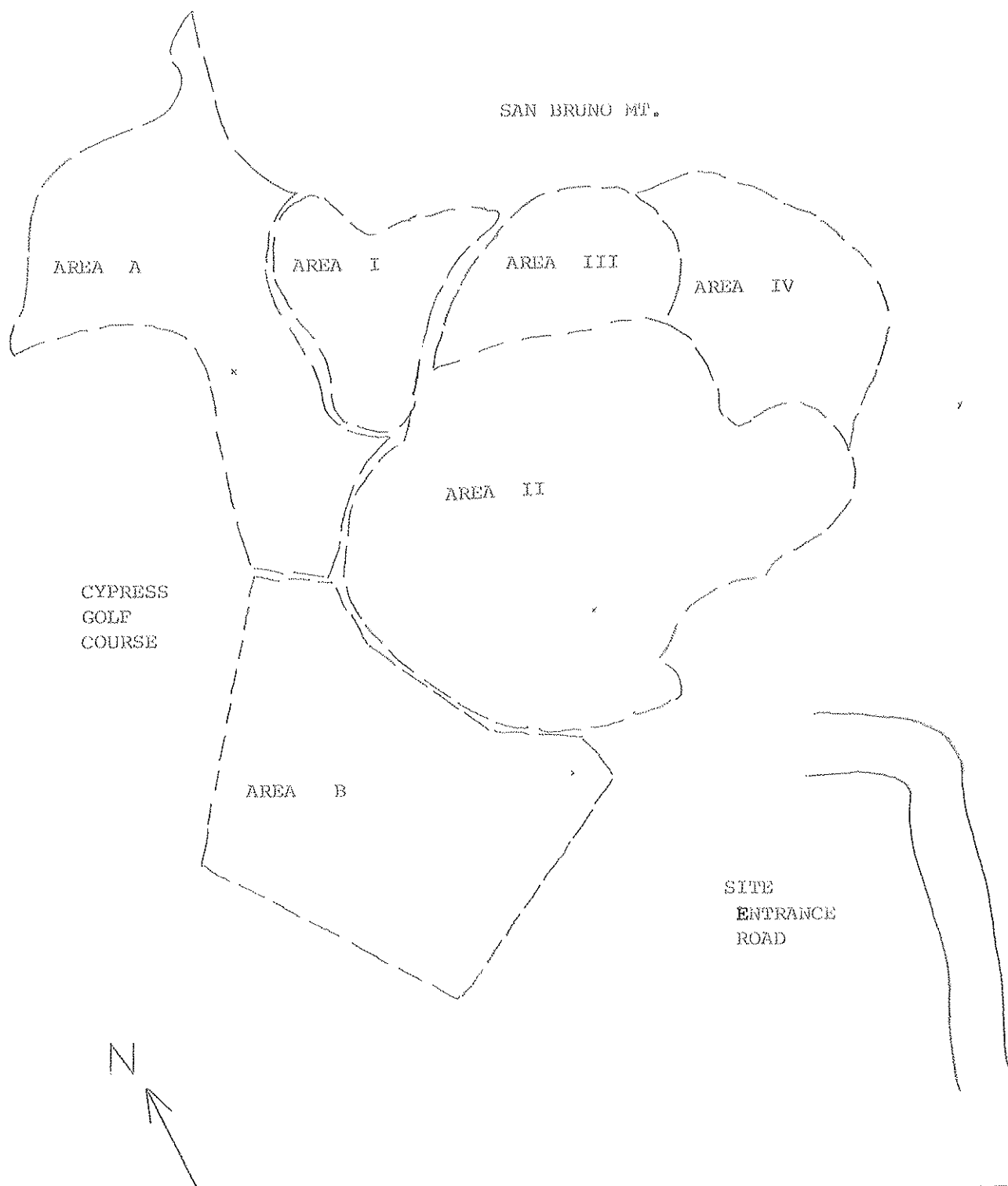
A & B



**SAN FRANCISCO BAY REGIONAL  
WATER QUALITY CONTROL BOARD**

AMLOC COMPANIES, INC. AND CYPRESS ABBEY  
COMPANY, HILLSIDE CLASS II-2 SOLID  
WASTE DISPOSAL SITE, COLMA, SAN MATEO  
COUNTY  
ATTACHMENT A

DRAWN BY: HJS DATE: 1/24/80 DRWG. NO.



<b>SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD</b>		
AMLOC CO. AND CYPRESS ABBEY COMPANY -- HILLSIDE SOLID WASTE DISPOSAL SITE, COLMA		
ATTACHMENT B		
<b>DRAWN BY:</b> HJS	<b>DATE:</b> 1/23/80	<b>DRWG. NO.</b>